

EP-Physics, Program Educational Objectives

EP-PHY PEO	Student Outcome											
	a	b	c	d	e	f	g1	g2	h	i	j	k
PEO 1	x	x	x	x	x	x	x	x				x
PEO 2						x			x	x	x	x
PEO 3	x	x					x	x				x

Program Educational Objectives (PEO) for Engineering Physics-Physics

Graduates of Engineering Physics-Physics will be able to:

1. Practice in professions requiring a fundamental understanding of the principles of physics and engineering.
2. Maintain professional proficiency in rapidly-advancing scientific and technical areas.
3. Pursue advanced degrees in physics, engineering, and other professional fields.

Student Outcomes (SO) for Engineering Physics-Physics

Graduates of Engineering Physics-Physics will:

- (a) Be able to apply knowledge of mathematics, science, and engineering.
- (b) Be able to design and conduct experiments, as well as to analyze and interpret data.
- (c) Be able to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- (d) Be able to function on multidisciplinary teams.
- (e) Be able to identify, formulate, and solve engineering problems.
- (f) Be able to demonstrate an understanding of professional and ethical responsibility.
- (g1) Be able to communicate effectively in oral form.
- (g2) Be able to communicate effectively in written form.
- (h) Have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- (i) Recognize the need for and have an ability to engage in life-long learning.
- (j) Be able to demonstrate a knowledge of contemporary issues.
- (k) Be able to use the techniques, skills, and modern engineering tools necessary for engineering practice.